



October 22, 2021

Roy Meyers  
Chair, Climate Change/Sea Level Rise Commission  
Town of St. Michaels  
300 Mill Street, PO Box 206  
St. Michaels, Maryland 21663

Re: Town of St. Michaels, MD  
Climate Change/Sea Level Rise Commission

Dear Mr. Meyers:

Thank you for the opportunity to provide a proposal to complete a watershed study for Mill Street in St. Michaels, MD. The purpose of this study is to evaluate drainage impact on neighboring properties, should Mill Street be raised 2 or more vertical feet in response to projected sea level rise. The properties of primary focus will be the County sewer pumping station, the Maritime Museum complex, the existing Town Office, and residential property located at 205 Cherry St. The existing drainage swale, located to the West of the County sewer pumping station, will need to be surveyed and modeled in order to understand the effects of various storm events on the adjacent properties.

The proposal submitted to the Town of St. Michaels for \$5,280 includes 16 hours (2 days) of survey services and 16 hours (2 days) of civil engineering. A survey crew will visit the site and record spot shot topography in the watershed area, as well as driveway and finished floor elevations at all of the focus properties. Following the site survey, the topography will be processed and a base sheet will be created that the civil engineer can use to create watershed boundaries. The engineer will create a HydroCAD model for the watershed in order to calculate water level rise in existing drainage swale and any impacts to neighboring properties.

The base sheet will be used to prepare a sketch plan of the reconstructed Mill Street. Critical elevations to confirm are existing utility structures, existing culvert/swales, existing driveways and any other existing conditions that may limit how high the street may be raised. If storm water detention is determined necessary, a wet pond or step pool may be recommended in the vicinity of the existing drainage swale. The sketch plan will also confirm what is possible in the allotted right of way, specifically, pedestrian walkways, road widening, and closed/open stormwater conveyance system.

The sketch plan will be utilized to prepare a preliminary cost estimate for the project. This cost estimate will be fairly conservative for the early level of design and will incorporate an appropriate contingency amount for unknown conditions encountered during construction. Permitting requirements and anticipated timelines will be provided to the Commission. Please feel free to contact me with any additional questions.

Sincerely,

Casey Rauch, P.E.  
Vice President, Rauch inc.

Maryland  
106 N. Harrison Street – Easton, MD 21601  
phone: 410.770.9081 | fax: 410.770.3667  
email: design@raucheng.com

Virginia  
8229 Boone Blvd, Suite 625 – Vienna, VA 22182  
phone: 703.821.1017 | fax: 410.770.3667  
email: design@raucheng.com

**From:** Roy Myers <rbmyers87@gmail.com>  
**Sent:** Monday, October 25, 2021 12:56 PM  
**To:** Suzanna Warnick  
**Cc:** jrhodes@stmichaelsmd.gov; John Marrah; Glackin; Doug Rollow; info@higginsyachtyard.com; andrew.david.thaler@gmail.com; Bill Boicourt; Brent R. Jett; Kymberly Kudla; Tad duPont; Michael Bibb  
**Subject:** Fwd: Ltr to TOSM 10-22-21.pdf for Raising Mill St and Rebuilding it's Culvert  
**Attachments:** Ltr to TOSM 10-22-21.pdf; Untitled attachment 00034.htm

Suzanna, the Climate Change/Sea Level Rise Commission would like to request time on the Town Commissioner's second Nov. meeting agenda to review this proposal from Rauch Engineering to evaluate raising Mill St at the culvert to prepare for the projected sea level rise.

The CC/SLR Commission would also like to have this opportunity to update the Town Commissioners on our 2 planned grant requests to DNR which are planned to be submitted by December 15th.

Thank you, Roy Myers

Sent from my iPad

Begin forwarded message:

**From:** Roy Myers <rbmyers87@gmail.com>  
**Date:** October 24, 2021 at 3:31:14 PM EDT  
**To:** Casey Rauch <casey@raucheng.com>  
**Cc:** Glackin <dglackin@comcast.net>, John Marrah <jmarrah2@gmail.com>, Doug Rollow <dougrollow@gmail.com>, info@higginsyachtyard.com, andrew.david.thaler@gmail.com, Bill Boicourt <boicourt@umces.edu>, Kymberly Kudla <kkudla@stmichaelsmd.gov>, Tad duPont <tduPont@stmichaelsmd.gov>, Michael Bibb <mbibb@townofstmichaels.org>, Suzanna Warnick <swarnick@townofstmichaels.com>, jrhodes@stmichaelsmd.gov, "Brent R. Jett" <bjett@gmbnet.com>  
**Subject:** Ltr to TOSM 10-22-21.pdf for Raising Mill St and Rebuilding it's Culvert

Casey,

This summary is exactly what we were looking for. The plan going forward will be review with the Climate Change/Sea Level Rise Commission at their next meeting, Nov.16th, and then present to the Town Commissioners at their second Nov. meeting.

Thank you, Roy Myers